

CLAIMS

1. A communication terminal comprising:

first storing means for storing a system program necessary for execution of a program, a parent program, and a management program for managing an execution of a program which is performed by using the parent program;

second storing means for storing a child program;

child program executing means for executing the child program stored in the second storing means by using the system program and the parent program;

management program executing means for executing the management program by using the system program;

third storing means which is a work area for the child program which is executed and caused to run by the child program executing means;

fourth storing means which is accessed by the management program executing means;

first writing means for writing in the fourth storing means key information for identifying the child program which is executed and caused to run by the child program executing means by using the system program and the management program;

receiving means for receiving a message via a communication network; and

second writing means for, in a case that a content of a message received by the receiving means matches key information stored in the fourth storing means, writing in the third storing means information that the message has been received, by using the system program and the management program.

2. A communication terminal according to Claim 1, wherein:

the parent program is a program for realizing a Java (registered trademark) virtual machine;

the child program is a Java application program; and

the child program executing means executes the child program stored in the second storing means in the Java virtual machine by using the system program and the parent program.

3. A communication terminal according to Claim 1, further comprising:

download means for downloading from a server the child program and key information for identifying the child program, and writing them in the second storing means in association with each other, wherein,

the first writing means reads from the second storing means the key information for identifying the child program which is executed and caused to run by the child program executing means by using the system program and the management program, and storing it in the fourth storing means.

4. A communication terminal according to Claim 1, further comprising:

download means for downloading the child program from a server and writing it in the second string means, wherein,

the key information contains a first identifier which is associated with the child program in the server, and a second identifier indicating a location in the server where the child program is stored.

5. A communication terminal according to Claim 1, wherein,

the second writing means, if a content of a message received by the receiving means matches key information stored in the fourth storing means, and further if the message contains an identifier associated with the management program, writes in the third storing means information that the message has been received by using the system program and the management program.

6. A communication terminal according to Claim 1, wherein:
 - the communication network is a mobile communication network;
 - the communication terminal further comprises radio communication means for, if a message addressed to a telephone number of the communication terminal is sent from a base station constituting the communication network, receiving the message; and
 - the receiving means receives a message addressed to the communication terminal by using the radio communication means.
7. A program for causing a computer to function as:
 - first writing means for writing in a storage area key information for identifying a child program which is being run using a system program and a parent program;
 - second writing means for, if a content of a received message matches key information written in the storage area, writing information that the message has been received in a storage area for the running child program.